

L Number	Hits	Search Text	DB	Time stamp
3	10	chloromandelonitrile	USPAT; EPO; JPO; DERWENT	2001/08/08 13:00
4	861236	crystal\$	USPAT; EPO; JPO; DERWENT	2001/08/08 13:01
5	5	crystal\$ and chloromandelonitrile	USPAT; EPO; JPO; DERWENT	2001/08/08 13:25
6	244492	benzene	USPAT; EPO; JPO; DERWENT	2001/08/08 13:26
7	2	benzene and (crystal\$ and chloromandelonitrile)	USPAT; EPO; JPO; DERWENT	2001/08/08 13:43
8	2	("5714357").PN.	USPAT; EPO; JPO; DERWENT	2001/08/08 13:43
10	356	phenyllactic	USPAT; EPO; JPO; DERWENT	2001/08/08 14:43
11	58574	nitrile	USPAT; EPO; JPO; DERWENT	2001/08/08 14:46
12	38	phenyllactic and nitrile	USPAT; EPO; JPO; DERWENT	2001/08/08 14:49
13	192821	enzym\$	USPAT; EPO; JPO; DERWENT	2001/08/08 14:51
14	28	(phenyllactic and nitrile) and enzym\$	USPAT; EPO; JPO; DERWENT	2001/08/08 14:59
15	896	hydroxyacid	USPAT; EPO; JPO; DERWENT	2001/08/08 15:00
16	375	("562/470").CCLS.	USPAT; EPO; JPO; DERWENT	2001/08/08 15:06
17	0	("111 and 113").PN.	USPAT; EPO; JPO; DERWENT	2001/08/08 15:06

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L3	10	chloromandelonitrile	USPAT; EPO; JPO; DERWENT	2001/08/08 13:00
2	BRS	L4	861236	crystal\$	USPAT; EPO; JPO; DERWENT	2001/08/08 13:01
3	BRS	L5	5	14 and 13	USPAT; EPO; JPO; DERWENT	2001/08/08 13:25
4	BRS	L6	244492	benzene	USPAT; EPO; JPO; DERWENT	2001/08/08 13:26
5	BRS	L7	2	16 and 15	USPAT; EPO; JPO; DERWENT	2001/08/08 13:43
6	IS&R	L8	2	("5714357").PN.	USPAT; EPO; JPO; DERWENT	2001/08/08 13:43
7	BRS	L10	356	phenyllactic	USPAT; EPO; JPO; DERWENT	2001/08/08 14:43
8	BRS	L11	58574	nitrile	USPAT; EPO; JPO; DERWENT	2001/08/08 14:46
9	BRS	L12	38	110 and 111	USPAT; EPO; JPO; DERWENT	2001/08/08 14:49
10	BRS	L13	192821	enzym\$	USPAT; EPO; JPO; DERWENT	2001/08/08 14:51
11	BRS	L14	28	112 and 113	USPAT; EPO; JPO; DERWENT	2001/08/08 14:59
12	BRS	L15	896	hydroxyacid	USPAT; EPO; JPO; DERWENT	2001/08/08 15:00
13	IS&R	L16	375	("562/470").CCLS.	USPAT; EPO; JPO; DERWENT	2001/08/08 15:06
14	IS&R	L17	0	("111 and 113").PN.	USPAT; EPO; JPO; DERWENT	2001/08/08 15:06

	Comments	Error Definition	Errors
1			0
2		Truncation Overflow. Return string from Server is: 5`0`0`CRY	1
3			0
4			0
5			0
6			0
7			0
8			0
9			0
10		Truncation Overflow. Return string from Server is: 5`0`0`ENZ	1
11			0
12			0
13			0
14			0

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID: ssspta1623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Dec 17 The CA Lexicon available in the CAPLUS and CA files
NEWS 3 Feb 06 Engineering Information Encompass files have new names
NEWS 4 Feb 16 TOXLINE no longer being updated
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS 7 May 07 DGENE Reload
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's
DWPI and DPCI

NEWS EXPRESS July 11 CURRENT WINDOWS VERSION IS V6.0b,
CURRENT MACINTOSH VERSION IS V5.0C (ENG) AND V5.0JB (JP),
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2001

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS INTER General Internet Information

NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and Telecommunication Network Access to STN

Enter NEWS followed by the item number or name to see news on that

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 13:33:43 ON 08 AUG 2001

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE ENTRY 0.15	TOTAL SESSION 0.15
-----------------------------	--------------------------

FILE 'CARLUS' ENTERED AT 13:33:57 ON 08 AUG 2001

FILE CAFCUS ENTERED AT 13:33:57 ON 08 AUG 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT

USE IS SUBJECT TO THE TERMS OF YOUR SIGN-ON AGREEMENT.
PLEASE SEE "HELP-USAGETERMS" FOR DETAILS.

PLEASE SEE HELP/USAGE/TERMS FOR DETAILS.
COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

FILE COVERS 1947 - 8 Aug 2001 VOL 135 ISS 7
FILE LAST UPDATED: 7 Aug 2001 (20010807/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

Cplus now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

Attention, the CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

```
=> chloromandelonitrile
      12 CHLOROMANDELONITRILE
      1 CHLOROMANDELONITRILES
L1      13 CHLOROMANDELONITRILE
          (CHLOROMANDELONITRILE OR CHLOROMANDELONITRILES)

=> d 11 1-13 ti

L1  ANSWER 1 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI  Microbial manufacture of .alpha.-hydroxy acids from cyanohydrins

L1  ANSWER 2 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI  Heterocyclic diphenylmethane derivatives as MIP-1.α./RANTES receptor
    antagonists

L1  ANSWER 3 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI  Mandelamides manufacture with microorganism from cyanohydrins

L1  ANSWER 4 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI  Method of producing optically active .alpha.-hydroxy acid or
    .alpha.-hydroxyamide

L1  ANSWER 5 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI  Stabilization of mandelonitriles

L1  ANSWER 6 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI  Synthesis, structure, and physicochemical and biological properties of
    2-(2,4,5-trichlorophenoxy)propionic acid derivatives
```

L1 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI Process for producing optically active alpha-hydrocarboxylic acid having phenyl group.

L1 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI Process for producing R(-)-mandelic acid and derivatives thereof with Rhodococcus

L1 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI Manufacture of S-(+)-mandelamides with microorganisms

L1 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI Phytotoxic metabolites of pentachlorobenzylalcohol

L1 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI Metabolism and degradation of pesticides

L1 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI Gas chromatographic determination of pentachloromandelonitrile (PCMN) in wettable powder and dust

L1 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2001 ACS
TI Amidines

=> crystal?

1286732 CRYSTAL?
255788 CRYST
443 CRYSTS
256123 CRYST
(CRYST OR CRYSTS)
68128 CRYSTD
12165 CRYSTG
171192 CRYSTN
1519 CRYSTNS
172039 CRYSTN
(CRYSTN OR CRYSTNS)

L2 1517966 CRYSTAL?
(CRYSTAL? OR CRYST OR CRYSTD OR CRYSTG OR CRYSTN)

=> 12 and 11

L3 1 L2 AND L1

=> d 13 1 ti fbib abs

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS
TI Microbial manufacture of .alpha.-hydroxy acids from cyanohydrins
AN 1997:801987 CAPLUS
DN 128:101174
TI Microbial manufacture of .alpha.-hydroxy acids from cyanohydrins
IN Hirata, Yuji; Kaneko, Makoto; Endo, Ryuichi
PA Nitto Chemical Industry Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----

PI JP 09322797 A2 19971216 JP 1996-166637 19960607
 OS MARPAT 128:101174
 AB R1(CH₂)nCH(OH)CO₂H [I; R1 = (substituted) Ph, pyridyl, furyl, etc.; n = 0-2] are manufd. by converting R1(CH₂)nCH(OH)CN (R1, n = same as I) into R1(CH₂)nCH(OH)CONH₂ (II; R1, n = same as I) in aq. media using microorganisms having nitrile hydratase activity, subjecting the reaction mixts. contg. II and the microorganisms to acid hydrolysis, and isolating I as sol. salts by addn. of alkalies. Mandelonitrile was treated with cultured cells of *Rhodococcus* sp. HT 40-6 at 15.degree. and pH 7.5 for 66 h. The resulted slurry was treated with HNO₃ at 80.degree. for 3 h, mixed with aq. NH₃, centrifuged to remove the cells, and mixed with HNO₃ to crystallize (S)-mandelic acid with .gtoreq. 99% ee.

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:37:29 ON 08 AUG 2001

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:sssptal623paz
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN International *****

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Dec 17 The CA Lexicon available in the CAPLUS and CA files
NEWS 3 Feb 06 Engineering Information Encompass files have new names
NEWS 4 Feb 16 TOXLINE no longer being updated
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS 7 May 07 DGENE Reload
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's
DWPI and DPCI

NEWS EXPRESS July 11 CURRENT WINDOWS VERSION IS V6.0b,
CURRENT MACINTOSH VERSION IS V5.0C (ENG) AND V5.0JB (JP),
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2001
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)